AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A method of diagnosing a system, comprising the steps of:

performing in a batch ~~two or more of diagnoses selected~~ a plurality of diagnoses selected from the group consisting of a trap operation diagnosis for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system, a fluid leakage diagnosis for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system, a system improvement diagnosis for diagnosing need or no need of system improvement in the construction of the evaluation target system, and a maintenance improvement diagnosis for diagnosing need or no need of improvement in a maintenance system currently adopted by the evaluation target system;

inputting results of the plurality of kinds of diagnoses performed in a batch to a diagnosing computer system and causing this diagnosing computer system to perform data generating operation based upon the inputted diagnoses results according to an aggregating program, thereby to generate comprehensive evaluation data for reporting in batch results of the plurality of kinds of diagnosis performed in a batch to a client; and

reporting in a batch, with the comprehensive evaluation data, to the client the results of the plurality of kinds of diagnoses performed;

wherein in ~~reporting the result of the trap operation diagnosis, the method reports~~ response to the input of results of the trap operation diagnosis, the comprehensive evaluation data includes reporting on an economic advantage obtained through reduction in trap-passed steam loss by replacing or repairing all the evaluation target steam traps, the trap-passed steam loss being calculated based on the ~~result~~ results of the trap operation diagnosis;

wherein in ~~reporting the result of the fluid leakage diagnosis, the method reports~~ response to the input of results of the fluid leakage diagnosis, the comprehensive evaluation data includes reporting on an economic advantage obtained through reduction in fluid leakage loss by

repairing leaking portions in the entire evaluation target piping, the fluid leakage loss being calculated based on the ~~result~~ results of the fluid leakage diagnosis;

in ~~reporting the result of the system improvement diagnosis, the method reports~~ response to the input of results of the system improvement diagnosis, the comprehensive evaluation data includes reporting on an economic advantage obtained through improvement in a system construction found ~~needing improvement~~ by the system improvement diagnosis; and

in ~~reporting the result of the maintenance improvement diagnosis, the method reports~~ response to the input of results of the maintenance improvement diagnosis, the comprehensive evaluation data includes reporting on an economic advantage obtained through improvement in the maintenance system found needing improvement by the maintenance system diagnosis.

2. (Currently Amended) The system diagnosing method according to claim 1, wherein the batch performing of ~~two or more~~ the plurality of kinds of diagnoses is completed within one diagnosing day and within this diagnosing day, the batch reporting of the diagnoses performed is carried out.

3. (Currently Amended) The system diagnosing method according to claim 1, wherein

in the trap operation diagnosis, operational conditions of a plurality of steam traps selected from the evaluation target steam traps are diagnosed; and

~~in the~~ wherein in a calculation, in the computer system, of the trap-passed steam loss for all of the evaluation target steam traps based on the ~~result~~ results of the trap operation diagnosis, this calculation is effected deductively in the computer system, based on the ~~result~~ results of the diagnosis for said plurality of steam traps and information relating to a ratio between the number of said plurality of stream traps and the total number of the evaluation target steam traps.

4. (Currently Amended) The system diagnosing method according to any one of claims 1-3, wherein

in the fluid leakage diagnosis, fluid leakage from respective portions of a part of the evaluation target piping are diagnosed; and

~~in the~~ wherein in a calculation, in the computer system, of the fluid leakage for the entire evaluation target piping, this calculation is effected deductively in the computer system, based on the ~~result~~ results of the diagnosis for said part of the evaluation target piping and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping.

5. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs of result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system and result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system; calculating, by said calculating means, a trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and a fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the entire piping for each type of fluid; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least a total trap-passed steam loss amount and a total fluid leakage loss amount for each fluid type.

6. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs of result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system and result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system; calculating, by

said calculating means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating also, by said calculating means, a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the total fluid leakage loss amount for each fluid type from which said total fluid leakage loss amount for steam has been subtracted and said sum total steam loss amount.

7. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs of result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system and result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system; receiving inputs of a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating, by said calculating means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount, a ratio of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio; and generating,

by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the total fluid leakage loss amount for each fluid type from which said total fluid leakage loss amount for steam has been subtracted and said improvable unknown steam ratio.

8. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system and information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps; calculating, by said calculating means and based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the deduced value of the total trap-passed steam loss amount and the total fluid leakage loss amount for each fluid type.

9. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the

evaluation target system and information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps; calculating, by said calculating means and based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating also, by said calculating means, a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the deduced value of the trap-passed steam loss amount; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the total fluid leakage loss amount for each fluid type from which said total fluid leakage loss amount for steam has been subtracted and said sum total steam loss amount.

10. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system and information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps; receiving inputs of a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating, by said calculating means and based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and a total fluid leakage loss

amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating a sum total steam leakage amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the deduced value of the trap-passed steam loss amount and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount, a ratio of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the total fluid leakage loss amount for each fluid type from which said total fluid leakage loss amount for steam has been subtracted and said improvable unknown steam ratio.

11. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating, by said calculating means and based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at

least the total trap-passed steam loss amount and the deduced value of the total fluid leakage loss amount for each fluid type.

12. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating, by said calculating means and based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating also, by said calculating means, a sum total steam leakage amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the deduced value of the total fluid leakage loss amount for each fluid type from which said deduced value of total fluid leakage loss amount for steam has been subtracted and said sum total steam leakage amount.

13. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of a

plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; receiving inputs of a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating, by said calculating means and based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating also, by said calculating means, a sum total steam leakage amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount; and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount inputted to the inputting means, a ratio of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the deduced value of the total fluid leakage loss amount for each fluid type from which the deduced value of said total fluid leakage loss amount for steam has been subtracted and said improvable unknown steam ratio.

14. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of some

steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system, information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating, by said calculating means and based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the deduced value of the total trap-passed steam loss amount and the deduced value of the total fluid leakage loss amount for each type of fluid.

15. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system, information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating, by said calculating means and based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for

all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating also, by said calculating means, a sum total steam leakage amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the deduced value of the trap-passed steam loss amount; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the deduced value of the total fluid leakage loss amount for each fluid type from which the deduced value of said total fluid leakage loss amount for steam has been subtracted and said sum total steam loss amount.

16. (Withdrawn) A method of operating an aggregating system for system diagnosis having an inputting means, a calculating means and a data generating means, the method comprising the steps of: receiving, by said inputting means, inputs result of a trap operation diagnosis performed by a trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by a leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of of an evaluation target piping in the evaluation target system, information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; receiving inputs of a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating, by said calculating means and based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation

amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; calculating also, by said calculating means, a sum total steam leakage amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the deduced value of the trap-passed steam loss amount; and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount, a ratio of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio; and generating, by said data generating means and based on the calculation results of said calculating means, comprehensive evaluation data having contents indicative of at least the deduced value of the total fluid leakage loss amount for each fluid type from which the deduced value of said total fluid leakage loss amount for steam has been subtracted and said improvable unknown steam ratio.

17. (Withdrawn) The method of operating an aggregating system for system diagnosis according to any one of claims 5-16, wherein at said receiving step, said inputting means receives, in addition to the inputs relating to the trap operation diagnosis and the fluid leakage diagnosis, a result of a system improvement diagnosis performed on a system construction of the target system or a result of a maintenance method diagnosis performed on a maintenance method currently adopted by the target system; and at said data generating step, said data generating means generates, as said comprehensive evaluation data, data having, in addition to said contents based on the calculation results of the calculating means, the result of the system improvement diagnosis or the result of the maintenance improvement diagnosis inputted to said inputting means.

18. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving from a trap diagnotor an a result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system and receiving from a leakage

diagnotor result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system; and calculating means for calculating, based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis inputted to the inputting means, a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid.

19. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving from a trap diagnotor a result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system and receiving from a leakage diagnotor result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system; and calculating means for calculating, based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis inputted to the inputting means, a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means also calculating a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount.

20. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving from a trap diagnotor a result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system and receiving from a leakage diagnotor result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target

system; said inputting means receiving also a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating means for calculating, based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis inputted to the inputting means, a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; said calculating means calculating also a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount, a ratio of the sum total steam loss relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio.

21. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor, result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, and receiving, from a leakage diagnotor, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system and receiving also information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps; calculating means for calculating, based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis inputted to the inputting means, a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid.

22. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor, result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, and receiving, from a leakage diagnotor, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system and receiving also information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps; calculating means for calculating, based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis inputted to the inputting means, a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means calculating also a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the deduced value of the trap-passed steam loss amount.

23. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor, result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, and receiving, from a leakage diagnotor, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of an evaluation target piping in the evaluation target system and receiving also information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps; said inputting means receiving also inputs of a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating means for calculating, based on the result of the trap operation diagnosis and the

number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis inputted to the inputting means, a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means calculating also a sum total steam loss amount obtained by adding together a total fluid leakage loss amount for steam included in the total fluid leakage loss amount for each fluid type and the deduced value of the trap-passed steam loss amount and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount inputted to the inputting means, a ratio of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio.

24. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor and a leakage diagnotor, inputs result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and receiving also evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating means for calculating, based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating also, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid.

25. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor and a leakage diagnotor, inputs result of a

trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and receiving also evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating means for calculating, based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating also, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means calculating also a sum total steam loss amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount.

26. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor and a leakage diagnotor, inputs result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of a plurality of evaluation target steam traps in a client's evaluation target system, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and receiving also evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; said inputting means receiving also a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating means for calculating, based on the result of the trap operation diagnosis inputted to the inputting means, a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio

information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means calculating also a sum total steam loss amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount, a ratio occupied of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio.

27. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor, result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, and receiving, from a leakage diagnotor, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and receiving also information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; and calculating means for calculating, based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid.

28. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor, result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, and receiving, from a leakage diagnotor, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and receiving also information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps and evaluation amount ratio information between said part of the evaluation target piping and entire evaluation target piping; calculating means for calculating, based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means calculating also a sum total steam loss amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each type of fluid and the deduced value of the total trap-passed steam loss amount.

29. (Withdrawn) An aggregating system for system diagnosis, comprising: inputting means for receiving, from a trap diagnotor, result of a trap operation diagnosis performed by this trap diagnotor for diagnosing operational conditions of some steam traps selected from a plurality of evaluation target steam traps in a client's evaluation target system, and receiving, from a leakage diagnotor, result of a fluid leakage diagnosis performed by this leakage diagnotor for diagnosing leakage of fluid from respective portions of a part of an evaluation target piping in the evaluation target system and receiving also information relating to a ratio between the number of said plurality of stream traps selected and the total number of the evaluation target steam traps and evaluation amount ratio information between said part of the

evaluation target piping and entire evaluation target piping; said inputting means receiving also a total receiving steam amount and a total necessary steam amount of the target system or a total unknown steam amount which is a difference between the total receiving steam amount and the total necessary steam amount; calculating means for calculating, based on the result of the trap operation diagnosis and the number ratio information inputted to the inputting means, a deduced value of a total trap-passed steam loss amount obtained by aggregating trap-passed steam loss amounts for all the evaluation target steam traps and calculating, based on the result of the fluid leakage diagnosis and the evaluation amount ratio information inputted to the inputting means, a deduced value of a total fluid leakage loss amount obtained by aggregating fluid leakage loss amounts from the respective portions of the piping for each type of fluid; and said calculating means calculating also a sum total steam loss amount obtained by adding together a deduced value of a total fluid leakage loss amount for steam included in the deduced value of the total fluid leakage loss amount for each fluid type and the trap-passed steam loss amount and calculating, based on the total receiving steam amount and the total necessary steam amount or the total unknown steam amount inputted to the inputting means, a ratio of the sum total steam loss amount relative to the total unknown steam amount which is a difference between said total receiving steam amount and said total necessary steam amount, as an improvable unknown steam ratio.